

BIBLIOGRAPHY

C. FITZHUGH TALMAN, in Charge of Library

RECENT ADDITIONS

The following have been selected from among the titles of books recently received as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies:

- Andrus, C. G.**
Notes on line squalls. p. 8-12. 21 cm. (Nat. air pilots assoc. journ. Cleveland. v. 2, no. 6, Apr., 1929.)
- Annales du service botanique . . . de Tunisie.** Tunis. 1928. ii. 222 p. illus. 25½ cm. (Tome 5, fasc. 2, 1928.) [Contains articles on solar radiation.]
- Apia observatory. Samoa.**
Observations of upper air-currents at Apia, Western Samoa . . . 2d ser . . . Wellington. 1929. 79 p. figs. 25 cm.
- Boeuf, F. & Amiable, J.-V.**
Evaluation du coefficient de transmission de l'atmosphère pour la radiation solaire (1^{er} septembre 1924 au 31 août 1926) au service botanique de Tunisie. Paris. n. d. 8 p. figs. 24½ cm. (Compte rendu au Congr. Constantine 1927 de l'assoc. franç. pour l'avance. sci.)
- Bureau, Robert.**
Relations entre les parasites atmosphériques et les phénomènes météorologiques. Bruxelles. 1928. 10 p. figs. 30 cm. (Union inter. radiotél. sci. Recueil des trav. de l'assemb. gen. Washington. Oct., 1927.)
- Carpenter, Ford A.**
Air pilot and the weather. unp. illus. 25½ cm. (Repr.: Western flying, v. 4, no. 2, Feb., 1928.)
- Surveying the roadbeds of the air. (2d ed.) unp. illus. 25 cm. South. Cal. bus., v. 6, no. 11, Dec., 1927.)
- Commission de météorologie agricole.**
Rapport du président à la réunion de la Commission . . . a Copenhague septembre 1929. Stockholm. 1929. 29 p. 24½ cm.
- Duncan, Richard.**
Air navigation and meteorology. 3d ed. Chicago. 1929. 246 p. illus. maps. diagrs. 20 cm.
- International commission for the study of clouds.**
Atlas international provisoire des nuages et des états du ciel. Paris. 1929. 3, 76 p. figs. plates. 32 cm.
- Lewis, W. W.**
Transmission line insulation and field tests pertaining to lightning. [Paris.] n. d. 38 p. figs. 24½ cm. (Internat. confer. on large elec. systems. Paris. 1929.)
- 551.590.2*
- SOLAR OBSERVATIONS**
- SOLAR AND SKY RADIATION MEASUREMENTS DURING JULY, 1929**
- By HERBERT H. KIMBALL, *Solar Radiation Investigations*
- For reference to descriptions of instruments and exposures, and an account of the method of obtaining and reducing the measurements, the reader is referred to the January, 1929, REVIEW, page 26.
- Table 1 shows that solar radiation intensities averaged above the normal values for July at Washington, D. C., and Madison, Wis., and below normal values at Lincoln, Nebr.
- Lugeon, Jean.**
Précipitations atmosphériques, écoulement et hydroélectricité. I. Études d'hydrologie dans la région des Alpes. 2. Essai d'une formule donnant l'écoulement en fonction des précipitations. Paris. 1928. 366 p. figs. plate, (fold.) 25½ cm. (Pub. Inst. féd. de mét. et de l'Assoc. suisse pour l'aménagement des eaux, fasc. no. 16.)
- McEwen, George F.**
Ocean surface drift in the Pacific coastal belt off North America. p. 191-198. 23 cm. (Repr.: Proc. 3rd Pan-Pacific sci. cong., Tokyo, 1926.)
- Pardé, Maurice.**
Les crues du Rhône en décembre 1925 et février 1928. p. 3-46. figs. 24½ cm. (Les études Rhodaniennes. Lyon. T. quatr. 1928.)
- Quayle, E. T.**
Long range rainfall forecasting from tropical (Darwin) air pressures. Melbourne. n. d. p. 160-164. figs. 24½ cm. (Repr.: Proc. Roy. soc., Victoria. v. 41, pt. 2. (new ser.) 1929.)
- Richardson, L. F.**
Atmospheric diffusion shown on a distance-neighbour graph. p. 709-737. figs. 25½ cm. (Proc. Roy. soc., A, v. 110, 1926.)
- Search for the law of atmospheric diffusion. Leipzig. 1929. p. 24-29. 25½ cm. (Beitr. der Phys. der freien Atmos., Sonderab.: "Hergesell-Festschrift.")
- Riel, P. M. van.**
Influence of sea disturbance on surface temperature. Amsterdam. [1928.] 17 p. plate (fold.) 24½ cm. (K. Ned. met. inst. no. 102. Meded. en verh. 30.)
- Selga, Miguel.**
Hail in the Philippines. Manila. 1929. 20 p. fig. 29½ cm.
- Talmage, Sterling B.**
Spoor of a thunderbolt. p. 1-3, 5. illus. 27½ cm. (Utah engin., v. 3, no. 10, July, 1929.)
- U. S. Bureau of standards.**
Code for protection against lightning . . . Washington. 1929. xiii, 114 p. plates. 20½ cm. (Misc. pub. no. 92.)
- Watson, R. A.**
Cyclone season 1927-1928 at Mauritius. 4 p. fig. plates. 32½ cm. (Misc. pub. Roy. Alfred observ., no. 7.)
- Watt, R. A. Watson.**
Directional recording of atmospherics. p. 596-610. figs. 28 cm. (Journ. inst. elec. engin., v. 64, May, 1926.)

Table 2 shows an excess in the total solar radiation, (direct + diffuse), received on a horizontal surface at Washington and Madison, and a deficiency at Lincoln, Chicago, and New York.

Skylight polarization measurements obtained on three days at Washington give a mean of 53 per cent and a maximum of 61 per cent on the 17th. At Madison, measurements obtained on 11 days give a mean of 62 per cent and a maximum of 65 per cent. The values obtained at Madison are close to the averages for that station for July, while those for Washington are slightly above the corresponding July averages.